

Serial Number: 09/9096/22

ENTERED

CRF Processing Date: 9/5/2001Edited by: ANVerified by: AN

(STIC sta:

☐

Changed a file from non-ASCII to ASCII

☐

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐

Edited a format error in the Current Application Data section, specifically:

☐Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_☐

Added the mandatory heading and subheadings for "Current Application Data".

☐

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐

Inserted colons after headings/subheadings. Headings edited included:

☐

Deleted extra, invalid, headings used by an applicant, specifically:

☐Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_☐

Inserted mandatory headings, specifically: \_\_\_\_\_

☐

Corrected an obvious error in the response, specifically:

☐

Edited identifiers where upper-case is used but lower case is required, or vice versa.

☐

Corrected an error in the Number of Sequences field, specifically:

☐

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐

Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_

☒Other: Seq 4 - moved 2237 response up

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

#2

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/909,122

DATE: 09/05/2001

TIME: 20:44:14

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\09052001\I909122.raw

4 <110> APPLICANT: Carney, Darrell H.  
5 Crowther, Roger S.  
6 Simmons, David J.  
7 Yang, Jinping  
8 Redin, William R.  
10 <120> TITLE OF INVENTION: Stimulation Of Bone Growth With Thrombin  
11 Peptide Derivatives  
13 <130> FILE REFERENCE: 3033.1002-001  
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/909,122  
C--> 15 <141> CURRENT FILING DATE: 2001-07-19  
15 <150> PRIOR APPLICATION NUMBER: US 60/219,300  
16 <151> PRIOR FILING DATE: 2000-07-19  
18 <160> NUMBER OF SEQ ID NOS: 5  
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
22 <210> SEQ ID NO: 1  
23 <211> LENGTH: 10  
24 <212> TYPE: PRT  
25 <213> ORGANISM: Artificial Sequence  
27 <220> FEATURE:  
28 <223> OTHER INFORMATION: Peptide fragment of Thrombin  
30 <400> SEQUENCE: 1  
31 Cys Glu Gly Asp Ser Gly Gly Pro Phe Val  
32 1 5 10  
35 <210> SEQ ID NO: 2  
36 <211> LENGTH: 10  
37 <212> TYPE: PRT  
38 <213> ORGANISM: Artificial Sequence  
40 <220> FEATURE:  
41 <223> OTHER INFORMATION: Peptide fragment of Thrombin  
43 <221> NAME/KEY: VARIANT  
44 <222> LOCATION: (1)...(10)  
45 <223> OTHER INFORMATION: Xaa at position two is Glu or Gln  
46 Xaa at position nine is Phe, Met, Leu, His or Val  
48 <400> SEQUENCE: 2  
W--> 49 Cys Xaa Gly Asp Ser Gly Gly Pro Xaa Val  
50 1 5 10  
60 <210> SEQ ID NO: 3  
61 <211> LENGTH: 4  
62 <212> TYPE: PRT  
63 <213> ORGANISM: Artificial Sequence  
65 <220> FEATURE:  
66 <223> OTHER INFORMATION: Peptide fragment of Thrombin  
68 <400> SEQUENCE: 3  
69 Arg Gly Asp Ala  
70 1  
73 <210> SEQ ID NO: 4  
74 <211> LENGTH: 14

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/909,122

DATE: 09/05/2001

TIME: 20:44:14

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\09052001\I909122.raw

75 <212> TYPE: PRT

76 <213> ORGANISM: Artificial Sequence

78 <220> FEATURE:

79 <223> OTHER INFORMATION: Peptide fragment of Thrombin

81 <221> NAME/KEY: VARIANT

82 <222> LOCATION: (1)...(14)

83 <223> OTHER INFORMATION: Xaa at position six is Glu or Gln,

84 Xaa at position thirteen is Phe, Met, Leu, His or Val

86 <400> SEQUENCE: 4

W--> 87 Arg Gly Asp Ala Cys Xaa Gly Asp Ser Gly Gly Pro Xaa Val

88 1 5 10

91 <210> SEQ ID NO: 5

92 <211> LENGTH: 25

93 <212> TYPE: PRT

94 <213> ORGANISM: Artificial Sequence

96 <220> FEATURE:

97 <223> OTHER INFORMATION: Peptide fragment of Thrombin

99 <400> SEQUENCE: 5

100 Ala Gly Thr Arg Tyr Lys Pro Asp Glu Gly Lys Arg Gly Asp Ala Cys

101 1 5 10 15

102 Glu Gly Asp Ser Gly Gly Pro Phe Val

103 20 25

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/909,122

DATE: 09/05/2001

TIME: 20:44:15

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\09052001\I909122.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/909,122

DATE: 07/30/2001

TIME: 14:52:56

Input Set : A:\30331002-001.txt

Output Set: N:\CRF3\07302001\I909122.raw

4 <110> APPLICANT: Carney, Darrell H.  
 5 Crowther, Roger S.  
 6 Simmons, David J.  
 7 Yang, Jinping  
 8 Redin, William R.  
 10 <120> TITLE OF INVENTION: Stimulation Of Bone Growth With Thrombin  
 11 Peptide Derivatives  
 13 <130> FILE REFERENCE: 3033.1002-001  
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/909,122  
 C--> 15 <141> CURRENT FILING DATE: 2001-07-19  
 15 <150> PRIOR APPLICATION NUMBER: US 60/219,300  
 16 <151> PRIOR FILING DATE: 2000-07-19  
 18 <160> NUMBER OF SEQ ID NOS: 5  
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
Corrected Diskette Needed

## ERRORED SEQUENCES

73 <210> SEQ ID NO: 4  
 74 <211> LENGTH: 14  
 75 <212> TYPE: PRT  
 76 <213> ORGANISM: Artificial Sequence  
 78 <220> FEATURE:  
 79 <223> OTHER INFORMATION: Peptide fragment of Thrombin  
 81 <221> NAME/KEY: VARIANT  
 82 <222> LOCATION: (1)...(14)  
 83 <223> OTHER INFORMATION: Xaa at position six is Glu or Gln  
 84 Xaa at position thirteen is Phe, Met, Leu, His or  
 E--> 85 Val  
 W--> 87 <210> SEQ ID NO:  
 W--> 87 <211> LENGTH:  
 W--> 87 <212> TYPE:  
 W--> 87 <213> ORGANISM:  
 87 <400> SEQUENCE: 4  
 E--> 88 Arg Gly Asp Ala Cys Xaa Gly Asp Ser Gly Gly Pro Xaa Val  
 89 1 5 10

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/909,122

DATE: 07/30/2001

TIME: 14:52:57

Input Set : A:\30331002-001.txt

Output Set: N:\CRF3\07302001\I909122.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:85 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Four SEQ:4  
L:87 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:87 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:87 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:87 M:282 W: Numeric Field Identifier Missing, <213> is required.